

Tuesday, August 14, 2001

STS-105 spacewalk planned for Aug. 16



Upcoming ELV launch inaugurates new site in Kodiak, Alaska



▲ **Mission Update:** Now successfully docked with the International Space Station, the STS-105 crew is preparing for the first spacewalk, to take place on Aug. 16. Mission Specialists Daniel Barry and Patrick Forrester will install the Early Ammonia Servicer on the Station, to be used to cool Station systems should it be needed. This mission is Forrester's first space flight, first spacewalk.

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▲ **ELV Update:** An upcoming Expendable Launch Vehicle mission will be the first orbital launch from the new Kodiak Launch Complex in Alaska. Powered by an Athena I rocket, the mission is named the Kodiak Star. NASA's spacecraft in the Kodiak Star mission is Starshine 3, a satellite program developed



by the Rocky Mountain NASA Space Grant Consortium and built by the Naval Research Laboratory. The Starshine 3 satellite, about one meter in diameter and weighing about 200 pounds, is covered with front-surface aluminum mirrors that were

machined by technology students in Utah and polished by participating grade schools from all over the world. Once the satellite is in orbit, the students will visually track the satellite and report their findings on

the project's Web site. The high inclination that can be achieved by launching from Kodiak Island, Alaska, will allow students in Alaska, northern Canada, the British Isles, Scandinavia and Russia who cannot see the Starshine satellites deployed in lower-latitude orbits to participate in the project.

◆ **NASA Science:** How will Susan Helms, James Voss and Yuri Usachev react to life back on Earth when they return on Discovery next week after five months on the International Space Station? Strange things happen to the body when humans venture into space and the familiar pull of gravity vanishes. Scientists say exercise is the key to adapting to life in orbit -- and returning to Earth. The article linked below describes some of the reactions of the human body to weightlessness and the unusual contraptions astronauts use to work out in space. Read the full story at

http://science.nasa.gov/headlines/y2001/ast02aug_1.htm?list550276 .

◆ **Register for Fall at Brevard Community College** – Representatives will be at the MFF Aug 14 and the O&C Aug 15 for Fall registration. Classes begin Aug. 20. Call 449-5046 for more information.

◆ **Did You Know?** Did you know that all recycling activities at KSC are now being managed through NASA's Environmental Program Branch, TA-C3. For more information, please contact Alice Smith, 7-8454, or Janice Everett, 7-8421. ★

KSC Countdown is published every Tuesday & Thursday.

Deadlines: 10 a.m. the day before. Send information, comments or questions to:

E-mail – Anita.Barrett-1@ksc.nasa.gov ◆ Mail Code – IDI-011 ◆ Telephone – 867-2815
Countdown on the Internet -- <http://www-pao.ksc.nasa.gov/kscpao/ksccount/2001/2001.htm>